APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

On Quantum Mechanics, Part II, by M. Born, et al.
GERMAN, per, Zeit Physik Vol 35, No 8/9, pp 557-615, 1926
NASA TT F-9499

Sci-Engr
Nov 65 291,679

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Heat Motion in Solids and Liquids, by J. Frenkel.

GERMAN, per, Zeitschrift fuer Physik, Vol XXXV, 1926, pp 652-669. 9205002

AEC-UCRL-Tr-832(L)

Sci - Chem

Apr 63

726,845

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Cathode Sputtering. I. The Electrochemical Sputtering. by A. Guntherschulze, 26 pp.

GERMAN, per, Z. Physik, Vol XXXVI, 20 Apr 1926, pp 563-580.

SLA 58-141

Sci

Aug 59

93,591

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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The Strength and Plasticity of Bismuth Crystals, by M. Georgieff, E. Schmid, 15 pp.

GERMAN, per, Zeitschrift Physik, Vol XXXVI, 1926, pp 759-774. 9205199

AEC-Tr-5763

Sci - Phys

Jul 63

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Natural Width and Pressure Broadening of Spectral Lines, by R. Minkowski.
GERMAN, per. Zeitschr. F. Physik, Vol 36, 1926, pp 839-858. PB11089766
AEC ORNL-tr-1277

Sci/Physics
Nov 66

311,594

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Quantization of the Ideal Monatomic Gas,
by E. Fermi.
GERMAN, per, Z. Physik, Vol XXXVI, 1926,
pp 902-912.
NASA TT F-9480

Sci-Phels & Prop
Jan 66

294,209

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

On Schrodinger's Wave Mechanics, by
V. Fock.
GERMAN, per. Z. Physik, Vol XXXVIII, 1926,
pp 242-250.
NASA TT F-9481

Sci-Jan 66 294,210

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Absorption of Gases on Glass and Silver Powders, by Felix Durau. U. S. GOVERNMENT USE ONLY GERMAN, per. Zeit fur Physik, Vol XXXVII, 1926, pp 419-441.P200080566
RSIC-581

Sci-Phys
Nov 66

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

The Many-Body Problem and Resonance in Quantum Mechanics, by W. Heisenberg, GERMAN, per, Zeit. Physik, Vol 38, No 6/7, pp 411-426, 1926
NASA TT F-9482

Sci-Engr
Nov 65 291,692

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Determination of the Index of Refraction of the X-Rays Through the Phenomenon of Total Reflection, by W. Linnik, W. Laschkarew,
GOVERNMENT USE ONLY
GERMAN, par, Zeitschrift fur Physik, Vol XXXVIII, 1926, pp 659-671. P200168867
RSIC-662

Sci-Phys
Jun 67

329,030

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

English Title Unknown, by Von W. Heisenberg.
GERMAN, per, Zoitschrift fur Physik, Vol 38, 1926,
pp 713-742.
*NASA TT F-11,829

June 68

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Quantum Mechanics of Collision Phenomena, by M. Born, 26 pp.

GERMAN, per, Z fuer Physik, Vol XXXVIII, 1926, pp 803-827.

Amer Meteorol Soc
AF Cambridge Res Center

Sci - Geophys

Jun 60

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Quantization of the Symmetrical Gyroscope According to Schroedinger's Wave-Mechanics, by F. Reiche, H. Rademacher.

GERMAN, per, Z. Physik, Vol XXXIX, 1926, pp 444-446.

IRSDOC-T1908

Sci

Jul 59

91,340

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Gyulai, Z.
ON THE EXCITATION PROCESS DURING THE ABSORPTION OF LIGHT IN CRYSTALS. [1962] 13p. 5 refs.
Order from SLA $1.60 63-10675

Trans. of Zeit[schrift] f[ür] Physik (Germany) 1926, v. 39, p. 636-643.

DESCRIPTORS: Sodium compound, Chlorides, *Crystals, *Light, *Absorption, Excitation, Absorption spectra, Temperature, Phosphorescence.

(Physics--Solid State, TT, v. 10, no. 1)

63-10675

1. Gyulai, Z.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

English Title Unknown, by O. Stern.
GERMAN, per, Zeitschrift fur Physik, Vol 39,
1926, pp 751-763.
*AFCRL

Feb 69

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

English Title Unknown, by F. Knauer, O. Stern.
GERMAN, per, Zeitschrift fur Physik, Vol 39,
1926, pp 764-779.
*AFCRL

Feb 69

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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English Title Unknown, by F. Knauer.
GERMAN, per, Zeitschrift fur Physik, Vol 39,
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Feb 69

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Wave Mechanics and Half-Integral Quantization, by
H. A. Kramers, 14 pp.
GERMAN, per, Zeitschrift fur Physik, Vol 39,
pp 828-840.
Dept of Navy NIC Trans 3020

Sci/Phys
Apr 70

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On the Problem of Diffusion in the Gravity Field, by R. Furth.
GERMAN, per. Z. Physik, 40, 1926, pp 351-363.
*NBS TT 70-57384

Sci-Phys
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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Contributions to the Explantion of the Phenomena ~~Cathodic~~ Connected
...ch Cathode Sputtering, by Theodor Baun

...ANN, per, Z Physik, Vol XL, 1927, pp 686-707.

AEC Tr 1695

Scientific - Physics
CPS/DEX

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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The Behavior of Aluminum Crystals in Elongation Experiments. I. Basic Concepts of Geometry, by Freiherrn V. Goler, G. Sachs, 17 pp.

POLISH, per, Zhur fuer Physik, Vol XLI, No 103, 1927.

CIA/FDD XX-1649
NO FOREIGN DISSEM

Sci
Jan 65
USIB Internal Use Only

271,432

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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The Behavior of Aluminum Crystals in Elongation Experiments. II. Experimental Part, by R. Karnop, G. Sachs, 31 pp.

RUPOLISH, per, Zhur fuer Physik, Vol XLI, 1927.

CIA/FDD XX-1650
NO FOREIGN DISSEM

Sci
Jan 65
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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

The Quantization of the Symmetrical Gyroscope According to Schrodinger's Wave Mechanics, by F. Reiche, H. Rademacher.

GERMAN, per, Z. Physik, Vol XLI, 1927, pp 453-492.

INSDOC-11907

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Jul 59

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

English Title Unknown, by Alfred Leu.
GERMAN, per, Zeitschrift fur Physik, Vol 41,
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English Title Unknown, by O. Stern.
GERMAN, per, Zeitschrift fur Physik, Vol 41,
1927, 563-568.
*AFCRL

Feb 69

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

English Title Unknown, by Erwin Wrede.
GERMAN, per, Zeitschrift fur Physik, Vol 41,
1927, pp 569-575.
*AFCRL
NIC 70-23796

Feb 69

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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Metallic Recrystallization Nuclei, by A. E. Van Arkel, P. Koets, 10 pp.

GERMAN, per, Z Physik, Vol XLI, 26 Feb 1927, pp 701.

SLA 57-2069

May 58

63,887

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

The Extended Rule of Matthiessen, by W. Geiss, J. A. M. v. Liempt.
Z.
GERMAN, per, f. Phys, Vol XLI, 1927, Germany, pp 867-871.

A.E.R.E. Harwell
471 OT/1147

Sci - Physics
CIS 75/Dec 55

29,357

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Energy Loss of Slow Electrons in Collisions With Molecules, by Wolfgang Barries, 20 pp.

GERMAN, per, Z. fur Physik, Vol XXII, 1927, pp 26-42.

Amer Meteorol Soc T-G-179

Sci - Phys
Mar 63

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Experiments on the Recrystallization of Metals,
by R. Karnop, G. Sachs, 26 pp.
GERMAN, per, Zeit fur Physik, Vol XLII, 1927,
pp 283-301.

CIA/FDD/XX-1613
NO FOREIGN DISSEM

Sci
Nov 64
USIB Internal Use Only

269,294

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

The Fluorescence Yield of Dye-Stuff Solutions as a Function of the Wavelength of the Exciting Light. II., by S. J. Vavilov, 8 pp.

GERMAN, per, Z fuer Physik, Vol XLII, 1927, pp 311-318. 9077273

ACSIL Tr No 1050

165, 497

Sci - Phys

Aug 61

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

A Fluorometer, Apparatus [illegible]
of Fluorescence Decay Times, by E. Gaviola

GERMAN, per. Zeitschrift fur Physik, Vol XLII, 1927,
pp 853.

S.L.A. Tr Pool

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Scientific - Physics
CRS/MEx

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Holm, Ragnar.
THE THERMAL CONDUCTIVITY OF RETORT CARBON. [1961] 11p. 4 refs.
Order from SLA $1.60 61-16172

Trans. of Zeitschrift für Physik (Germany) 1927, v. 43, no. 7, p. 466-473.

DESCRIPTORS: Carbon, Thermal conductivity.

(Unannounced)

61-16172

1. Title: Synthetic carbon
I. Holm, R.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Agency: Air Force
P.O.No.: ARL-72-0001 72-02
Title: Die Ionisierungsspannung des Heliums nach der Schrodingerschen Theorie.
Author: Kellner, Georg W.
Source: Zeitschrift fur Physik 44, 91-112 (1927)
Language: German to English
SpecialInstructions: Please translate and type one copy.

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

On an Incandescent Cathode Vacuum Discharge in Gases and Metallic Vapours, Particularly Iron Vapour, and its Application in Spectroscopy, by K. L. Wolf, 14 pp.

GERMAN, per, Zeit fuer Physik, Vol [illegible] XLIV, 1927, pp 170-189.

A.E.R.E. Harwell
Tr 514 32,933

Sci - Physics, Spectroscopy, spectrum analysis

Apr 56

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

English Title Unknown, by Erwin Wrede.
GERMAN, per, Zeitschrift fur Physik, Vol 44,
1927, pp261-268.
*AFCRL

Feb 69

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

AGENCY: Air Force
P.O. NO: ARL 72-0001 72-02
TITLE: Wechselwirkung neutraler Atome und homoopolare Bindung nach der Quantenmechanik.
AUTHOR: Heitler, W. and F. London
SOURCE: Zeitschrift fur Physik 44, 455-472 (1927)
LANGUAGE: German to English.
SPECIAL INSTRUCTIONS: Please translate and type one copy.

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

The Absorption Spectra of Some Alkali-Halide Phosphors Containing Tl and Pb Additives, by Rudolf Hilsch, 10 pp. UNCLASSIFIED

GERMAN, per. Z Fur Physik, Vol XLIV, 1927, pp 860-870.

Navy 2334/NRL 748

Sci - Physics
Oct 59

CIA/FDD X-3487

99628

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

The Removal of Astigmatism in Rowland's Concave Grating, by C. Runge, R. Mannkopff, 19 pp.

GERMAN, per, Z Physik, Vol XLV, 1927, pp 13-29.

ABC BCL-T-351

Sci - Phys
Apr 61

149,548

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Piezo-Electric Excitation of Longitudinal Transverse and Torsional Vibrations in Quartz Rods, by E. Giebe, A. Scheibe, 75 pp.

GERMAN, per, Z Physik, Vol XLVI, No 9, Jan 1928, pp 607-652.

SLA 58-150

Sci
Jul 59

93,017

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

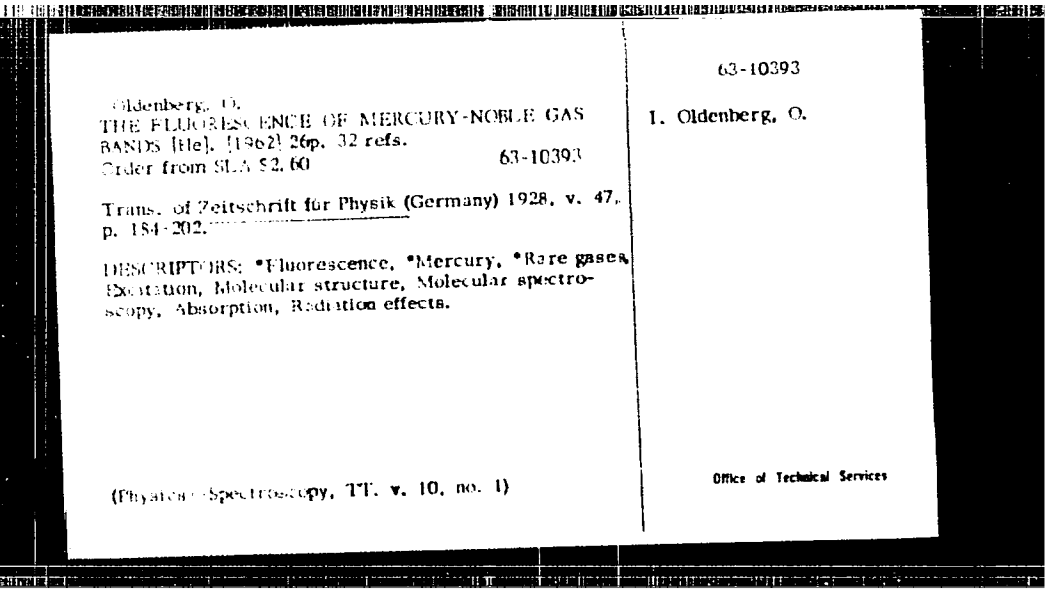
Electron Theory of Metals, Based on Fermi Statisitics Part I: General Data Flow Processes, and Work Functions, by A. Sommerfeld, GERMAN, per, Z. Physik, Vol XLVII, 1928, pp 1-32.
NASA TT F-10,871

Sci-Phys
Jul 67

332,889

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5



Oldenberg, O.
THE FLUORESCENCE OF MERCURY-NOBLE GAS BANDS [tle]. [1962] 26p. 32 refs.
Order from SLA 52.60 63-10393

Trans. of Zeitschrift für Physik (Germany) 1928, v. 47, p. 184-202.

DESCRIPTORS: *Fluorescence, *Mercury, *Rare gases, Excitation, Molecular structure, Molecular spectroscopy, Absorption, Radiation effects.

(Physical Spectroscopy, TT, v. 10, no. 1)

63-10393

1. Oldenberg, O.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

H Influence of Electric and Magnetic Field on Crystallization of ~~SSSR~~ Supercooled Liquids, by W. Kondogguri, 14 pp;

GERMAN, per, Z. Fuer Physik, Vol XLVII, pp 589-601.

SLA Tr 1550

Jan 1957

Sci - Physics
Apr 1957

46, 1146

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Erk, S.
OUR KNOWLEDGE OF THE VISCIDITY OF MERCURY. [1961] 9p. (2 figs. omitted) 12 refs.
Order from SLA $1.10 62-10406

Trans. of Zeitschrift für Physik (Germany) 1928, v. 47, p. 886-894.

DESCRIPTORS: *Mercury, *Viscosity.

(Unannounced)

62-10406

1. Erk, S.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Investigation of Anomalous Dispersion in Exited Gases, by R. Ladenburg.

GERMAN, 8 par, Zeitschrift fur Physik, Vol XLVIII, Part I, 1928, p 15.

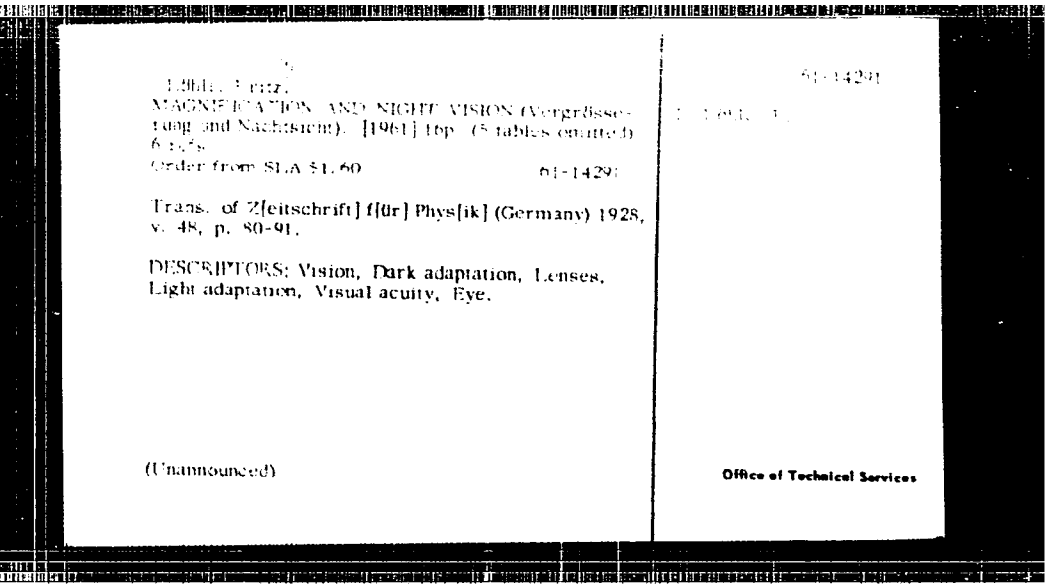
Navy Tr 3559/APL 852

Sci - Phys
Sep 63

344,157

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5



Lübbe, Fritz.
MAGNIFICATION AND NIGHT VISION (Vergrösserung und Nachtsicht). [1961] 16p (5 tables omitted) 6 refs
Order from SLA $1.60 61-14291

Trans. of Z[eitschrift] f[ür] Phys[ik] (Germany) 1928, v. 48, p. 80-91.

DESCRIPTORS: Vision, Dark adaptation, Lenses, Light adaptation, Visual acuity, Eye.

(Unannounced)

61-14291

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Collision of Two Point Charges According to Wave Mechanics, by W. Gordon.
GERMAN, per, Zeitschrift fuer Physik, Vol 48, No 3-4, 1928, pp 180-191.
*AFCRL

Sept 72

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Anomalous Dispersion of Hydrogen; True Intensity Ratio of Hydrogen-Lines H_α And H_β Pt IV, by Agathe Caret, Rudolf Landenburg, 22p.

GERMAN, per, Zeit fur Physik, 1928, Vol XLVIII, No 3-4, pp 192-204.

SLA 59-17212

Sci
Jan 60
Vol 2, No 6

103, 741

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Fluctuation Phenomena According to the New Quantum Statistics, by R. Furth, 33 pp.

GERMAN, per, Z Physik, Vol XLVIII, Apr 1928, pp 323-339.

SLA 58-148

Sci
Jul 59

93,033

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Studies on the Nature of Photoluminescence in Uranyl Salts, by S. J. Wawilow, W. L. Lewschin.

GERMAN, per, Z. Physik, Vol XLVIII, 1928, pp 397-425.

ATS 291-GJ

Sci
Nov 59

100,416

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

On the Dispersion and Absorption of X-Rays, by J. A. Prins. GOVERNMENT USE ONLY
GERMAN, per, Zeitschrift fur Physik, Vol XLVII, 1928, pp 479-498. P200215967
RSIC-668

Sci-Phys
Aug 67

335,527

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

The Theory of the Combustion Process, by N. Semenoff, 9 p.

GERMAN, per. Zeit fur Physik, 1928, Vol XLVIII, No 7/8, pp 571-582.

SLA 59-17671

Sci
Feb 60
Vol 3, No 10

108844

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

English Title Unknown, by Alfred Leu.
GERMAN, PER, Zeitschrift fur Physik, Vol 49,
1928, pp 498-506.

Feb 69

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

X-ray Photographic Study of the Transformations in the Alloy Au Cu, by W. Goreky.

GERMAN, per; Zeitschrift Fur Physik, Vol L, 1928, p 64ff.

University of Melbourne
Trans. No. 93

Sci

May 60

115,704

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

The First Separation of Chlorine Isotopes,
by William D. Harkins, Gn. Clarence L. Brosher, 26 pp.

GERMAN, PHYS, Z. Physik, Vol L, 1928, pp 537-547.

AEC Tr-4485

Sci
Aug 61

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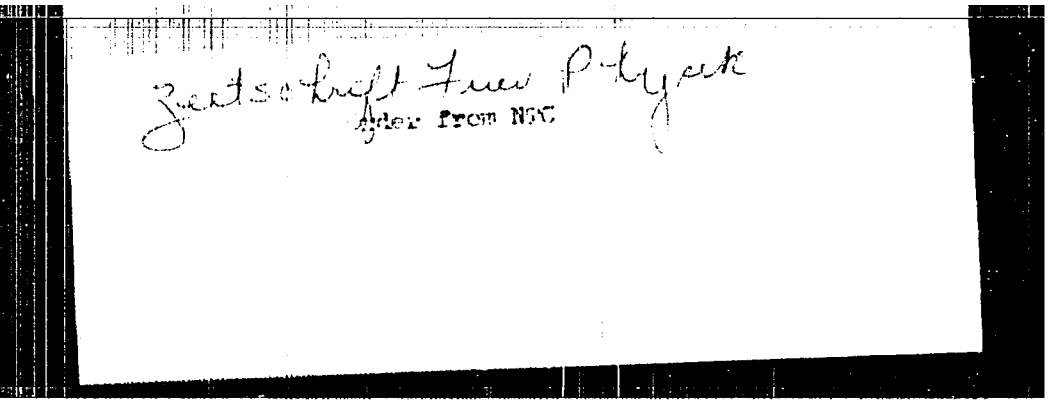

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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Collisions of the Second Kind in Molecules, by
H. Beutler, 24 pp.
GOVERNMENT USE ONLY
GERMAN, per, Zeitschrift fur Physik, Vol 50, 1928,
pp 581-599.
Dept of Navy NRL Tr 1200

Sci/Phys
May 70

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Collisions of the Second Kind Between Molecules. The Excitation of the Lyman Bands and the Noncombination of the Symmetrical and the Antisymmetrical Term Systems in the Hydrogen Molecule, by H. Beutler. GERMAN, per, Z. fur Physik, Vol. L, Nos 9,10, 1928, pp 581-599.

#AFCRL Res Lib/Amer Meteor Soc.

Sci - Phys
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The Quantum Theory of the Atomic Nucleus, by G. Gamow
12 pp.

GERMAN, per, Zeitschrift fuer Physik, Vol LI, 1928,
pp 204. 9213082

AEC-Tr-5915

Sci - Nucl. Sci

Oct 63

345,203

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

The Quantum Theory of the Atomic Nucleus, by G. Gamow, 12 pp.

GERMAN, per, Z fuer Physik, Vol LI, 1928, pp 204-212.

ABC-tr-5915

Sci-Nuc Sci

Sep 63

345, 250

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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Recrystallization of Aluminium Single Crystals, by W. G. Burgers and J. C. Basart, 20 pp.

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SLA Tr 57-2135

Sci

Jul 58

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Equilibriums in Systems, Containing Laminarly Distributed Phases in Connection with the Questions of Spontaneous Surface Increase of Microscopic Structures, by H. von Raschevsky, 34 pp.

GERMAN, per, Z Physik, Vol LI, 1928, pp 571-583.

AEC-tr-3738

Sci - Phys
Aug 59

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About the Structure of Diatomic Molecular Spectra According to Quantum Mechanics, by E. Wigner, E. E. Witmer, 33 pp.

GERMAN, per, Z Physik, Vol LI, 1928, p 859.

SLA 2834
SLA Tr 2730

Sci - Physics 52, 256

Sep 57

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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On the Magnetostriction of Single Crystals of Iron, by K. N. Akulov.

GERMAN, Zeitschrift Fur Physik, Vol LII, No 5, 6, 1928.

Brutcher T: No 1785

$5.70

Scientific - Minerals/Metals

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

On an Experimental Method for the Measurement of Molecular Radiation, by Herbert Mayer, 17 pp.

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AEC 3322

Sci - Phys

Oct 58

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AEC CRTL Tr 1592

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Sci - [redacted] Physics
Aug 67

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Investigation of the Initial Currents in Quartz Preparations, by A. D. Goldhammer, 36 pp.

GERMAN, per, Z Physik, Vol LII, 1928, pp 708-725.

SLA 57-2402

May 58

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Long-Range α-Particles of Radium C, by K. Philipp, K. Donat, 9 pp.
GERMAN, per, Z. Physik, Vol LII, 1928, pp 759-766, 9250308.
AEC ORNL-tr-696

292,950

Sci-Nuclear Phys & Tech
Nov 65

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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S.L.A. Tr 57-365

Sci - Physics
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Information Concerning Alkali Halide Phosphors With Addition of Copper, by Andrew M. McMahon. UNCLASSIFIED

GERMAN, per, Z fuer Physik, Vol LII, 1929, pp 336-341.

*Navy Tr /NRL

Sci - Chem

Jul 58

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

On Photography in the Infrared, by M. Czerny.
GERMAN, per, Z fur Physik, Vol LIII, No 1, 1929,
pp 1-12.
Dept of Navy Tr 4405/APL No T-1536

Sci - Phys
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295,425

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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Observations Regarding the Question of Spectral-Line Broadening, by B. Trumpy, 5 pp. UNCLASSIFIED

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Air Res & Div Command
T-253 GE-
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Scientific - Physics

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Equilibriums and Reactions in Systems With a Very Large Specific Surface, by M. von Raschevsky, 58 pp.

GERMAN, per, Z Physik, Vol LIII, 1929, pp 107-129.

AEC-tr-3131.

Sci - Phys
Aug 59

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English title Unknown, by V. Ambarzumian.
GERMAN, per, Zeit. f. Physik, Vol 53, 1929,
pp 690-695.
*NASA TT F 13,279

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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Resonance At Impacts in Fluorescence and Chemiluminescence, by H. Beutler, B. Josephy, 27 p.

GERMAN, par, Zeit fur Physik, 1939, Vol LXXI, pp 747-765.

SLA 60-10318

Sci
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Vol XII, No 3

112, 100

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Measurement of the Intensity of Molecular Beams of Gases, by S. Knauer, et al, 20 pp.

GERMAN, per, Zeit Physik, Vol LIII, (NP-2400) 1929, pp 766-778.

S.L.A. Tr No 320/1955

Sci - Physics
Jan 1957 CTS/dex

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On the Reflection of Molecular Beams, by F. Knauer, O. Stern, 18 pp.

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SLA 59-16781

Sci

OTS, Vol III, No 7

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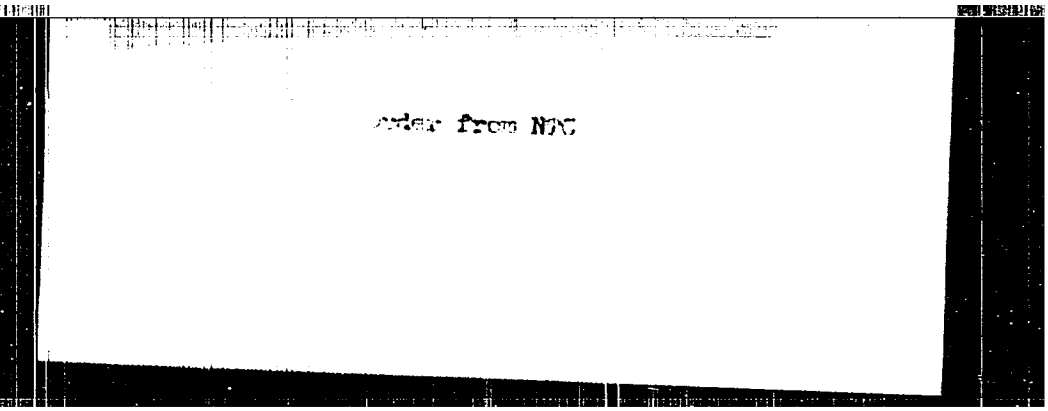
APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5



APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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The Production of Homogeneous Magnetic Fields by Circular Currents, Part I, by G. Fanselau; Part II, by W. Braunbek, 12 pp.

GERMAN, per, Zeitschrift fuer Physik, Vol LIV, LXXXVIII, 1929, 1934, pp 260-269, 399-402.

CIA/FDD/Z-157

Scientific - Physics
CTS 71/Aug 1955

26,054

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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An Application of Electron Diffraction
in the Investigation of Gas Adsorption,
by L. H. Germer.
GERMAN, per, Zeitschrift fuer Physik,
Vol 54, 1929, pp 408-421
NTC 72-12403-20B

July 72

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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The Atomic Theory of Ferromagnetism, by M. Akulov, 10 pp.

GERMAN, per, Z Physik, Vol LIV, No 7/8, Apr 1929, pp 582-587.

SLA tr 57-1465

Sci - Electronics, Physics 58, 195
Jan 58

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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The Passage of Electrons Through the Electric Field of a Lattice, by H. Bethe, 9 pp.

GERMAN, per, Zeitschrift fuer Physik, Vol LIV, 1929, pp 703-710. 9209152

ABC-UKNL-Tr-917 (L)

Sci - Electronics

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235,697

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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On the Theory of the Coupling Broadening of Spectral Lines, by J. Holtsmark

GERMAN, per, Zeit fuer Physik, Vol LIV, 1929, pp [illegible] 761-763.

Air Res and Dev Command
TT-8 G TT-11-20
(translation on tape)

Scientific - Physics
Jan 56 CTS 30,228

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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Tension Experiments in Crystals of Cu and Alpha-Brass, by F. V. Goler.
GERMAN, per. Z Physik, No 55, 1929, pp 581-620.
*NBS TT 70-57512

Sci-Mat
Aug 70

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Cranz, C. and Schardin, H.
MOTION PICTURE PHOTOGRAPHY ON STATIONARY FILM, AND WITH EXTREMELY HIGH PICTURE FREQUENCY. [1963] [36]p. 1 ref.
Order from SLA $3.60 63-14906

Trans. of Zeitschrift für Physik (Germany) 1929, v. 56, p. 147-[174].

DESCRIPTORS: Motion picture photography, *High speed photography, High speed cameras, Photographic film.

(Materials-Photographic, TT, v. 10, no. 4)

63-14906

I. Cranz, C.
II. Schardin, H.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Use of Radioactive Recoil in Diffusion Experiments,
by G. V. Hevesy, W. Seith, 9 p.

M
GERMAN, per, Zeit Physik, 1929, Vol LVI,
pp 790-801.

ATS-894-CJ
ATB-9442340

Sci
Apr 60
Vol III, No 2

111,674

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Neumann, J. V.
PROOF OF THE ERGODIC PRINCIPLE AND THE H-THEOREM IN THE NEW MECHANICS. [1963] 49p. 23 refs.
Order from SLA $4.60 63-18155

Trans. of Zeitschrift für Physik (Germany) 1929, v. 57, p. 30-70.

DESCRIPTORS: *Statistical mechanics, *Quantum mechanics, *Measure theory, Phase studies, Probability, Mechanics, Thermodynamics.

Resolution of the ficititious contradiction between the macroscopic definition of phase space and the existence of uncertainty relations is shown. Principal concepts of statistical mechanics are reinterpreted according to quantum-mechanics. The ergodic principle and the H-theorem are formulated and proved without considering
(Physics--Theoretical, TT, v. 10, no. 11) (over)

63-18155

1. Title: Ergodic theorem
2. Title: H theorem
I. Neumann, J. V.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

The Afterglow of Glow Lamps Filled With Neon, Argon and Neon With Some Argon, by M. J. Druyvesteyn, 19 pp.

GERMAN, per, Z Physik, Vol LVII, No 5/6, 1929, pp 292-304.

SLA 57-2134

May 58

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The Co-variant Formulation of Dirac's Equation,
by C. Lanczos.
GERMAN, per, Zeit fur Physik, Vol, 57, No 7/8,
1929, pp 474-483.
NLL Ref: 3774.5 (1852)

Sci-Phys
Oct 69

395,151

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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The Loads of Conservation in the Field Representation of Dirac's Theory, by C. Lanczos. GERMAN, per, Zeit fur Physik, Vol 57, 1929, pp 484-493.
NLL Ref: 3774.5 (1853)

Sci-Phys
Oct 69

395,152

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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Total Reflection of Longwave X-Radiation,
by M. Schon. GOVERNMENT USE ONLY
GERMAN, per, Zeitschrift fur Physik, Vol LVIII,
1929, pp 165-182. P200226867
RSIC-673

Sci-Phys
Aug 67

355,552

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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Calculation of the Numbers of Dispersion Centres in Sodium, by V. K. Prokof'ev, 21 pp.

GERMAN, per, Zeit fuer Physik, Vol LVIII, 1929, No 1,2, pp 255-267. 9214209 9215552

AEC-tr-1051

AEC-ORNL-TR-999(L)
9214209

Sci-Phys
Nov 63

242,436

Navy NIC tr 3037

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

English Title Unknown, by Gregor Wentzel.
GERMAN, per, Zeitschrift fur Physik, No 58, 1929,
pp 348-367.
*AFCRL

Aug 69

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On the Limitations to the Validity of the Cosine Law of Molecular Radiation, by Herbert Mayer, 22 pp.

GERMAN, pur, Z Physik, Vol LVIII, 1929, pp 373-385.

AEC 3337

Sci - Phys

Oct 58

74,579

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

The Visible Afterglow of Active Nitrogen,
by G. Cario.
GERMAN, per, Zeit Physik, Vol 58, 1929,
pp 769-780.
NASA TT F-12,003

Sci-Phys
May 69

382,6461

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Theory of Spectral-Line Broadening Due to the Resonance Effect, by J. Frenkel, 15 pp.
UNCLASSIFIED

HERMAN, par, Z. fuer Physik, Vol LIX, 1930, pp 190-207. CIA D 151327

Air Res and Dev Command
T-7/QE
24,066

Scientific - Physics
May 55 CTS

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

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On the Electrical Resistance Law at Low Temperatures, by F. Bloch, 5 pp. GERMAN, pub, Zeit Physik, Vol 59, 1930, pp 208-214. PB111367

AEC ORNL Tr-1593

386,470

Sci - Electronics
June 67

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

On the Theory of the Zeeman Effect inthe Salts of the Rare Earths, by H. Bathe, 18 pp. GERMAN, per, Zeit Phys, Vol 60, 1930, pp 218-233.
AEC Amre Tr 1041

327,912

Sci - Earth Sciences
Jun 67

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APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5

Bloch, F.
ON THE THEORY OF FERROMAGNETISM (Zur Theorie des Ferromagnetismus). [1961] 15p. 4 refs.
Order from SLA $1.60 61-20965

Trans. of Zeitschrift f[ür] Physik (Germany) 1930, v. 61, no. 3/4, p. 206-219.

DESCRIPTORS: Ferromagnetism, Theory.

(Unannounced)

61-20965

1. Bloch, F.

Office of Technical Services

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Theory of Spectral-Line Broadening Due to Coupling Effect, by Lucy Schutz-Mensing, 9 pp.

GERMAN, per, Z. fuer Physik, Vol LXI, 1930, pp 655-659. CIA D 151279

Air Res and Dev Command

T-234 ET

22,978

Scientific - Physics

CTS 67/Apr 1955

APPROVED FOR RELEASE: Thursday, May 16, 2002 CIA-RDP84-00581R000401250047-5